

Amendments to the Claims:

1 – 20 Canceled

21. (New) A modern golf ball comprising;  
a cover material defining an inner surface and an outer surface, said outer surface  
having a dimpled pattern;  
a single, one-piece metal sphere having an outer surface which is surrounded by  
the inner surface of the cover, said single sphere further defining an inner  
surface surrounding a material of lower density than the density of said  
cover material; and  
said single sphere further defining a wall formed of a metal having a thickness  
between said inner and outer surfaces of said sphere of at least 0.02  
inches.
22. (New) A modern golf ball as defined in Claim 21, wherein the metal is  
selected from the group consisting of titanium and titanium alloys.
23. (New) A modern golf ball as defined in Claim 21, wherein said single sphere  
is comprised of two or more spherical portions each formed by stamping,  
said portions of said sphere being fixedly secured together to form said  
single sphere.
24. (New) A modern golf ball as defined in Claim 21, wherein said single sphere  
is comprised of two or more spherical portions each formed by  
hydroforming, said portions of said sphere being fixedly secured together  
to form said single sphere.

25. (New) A modern golf ball as defined in Claim 21, wherein said single sphere is comprised of two or more spherical portions each formed by superplastic forming, said portions of said sphere being fixedly secured together to form said single sphere.
26. (New) A modern golf ball as defined in Claim 21, wherein said single sphere is comprised of two or more spherical portions each formed by metal spinning, said portions of said sphere being fixedly secured together to form said single sphere.
27. (New) A modern golf ball as defined in Claim 22, wherein said portions of said sphere are fixedly secured together by welding.
28. (New) A modern golf ball as defined in Claim 27, wherein said welding is electron beam welding.
29. (New) A modern golf ball as defined in Claim 27, wherein said welding is laser welding.
30. (New) A modern golf ball as defined in Claim 27, wherein said welding is laser welding.
31. (New) A modern golf ball as defined in Claim 27, wherein said welding is electrical resistance welding.
32. (New) A modern golf ball as defined in Claim 23, wherein said portions of said sphere are fixedly secured together by glueing.
33. (New) A modern golf ball as defined in Claim 21, wherein said wall has a thickness of about 0.02 inches to 0.08 inches.

34. (New) A modern golf ball as defined in Claim 21, wherein said single sphere has an outer diameter of between about 0.39 inches and 1.5 inches.
35. (New) A modern golf ball as defined in Claim 21, wherein said sphere contains a gas.
36. (New) A modern golf ball as defined in Claim 35, wherein said gas is under pressure.
37. (New) A modern golf ball as defined in Claim 35, wherein said gas is air.